# The TZUY TURBINE
## It's big difference to the existing turbines

The existing turbines used in electric power plants are the steam turbine, gas turbine, air turbine and water turbine or hydraulic turbine. The big space between the blades of the turbine indicates a great power loss. You can imagine the enormous energy waste on the wide gap or space between the blades where the powerful liquid or gas that pass through it.

It's quite easy to understand that the turbines of today are not much efficient. We have to do some kind of mental experiment to understand what I mean.

In figure 1 we can see the big gap or space between the blades of the turbine. This example is applied to the principle used by the existing steam turbine, gas turbine and water turbine in electric power plants.

Let's make some simple experiment to prove the real flaws.

In figure 2 piston 1 has 4 small canals which represent the 4 spaces of the blades of the turbine shown in figure 1. Syringe A and syringe B in figure 2 are connected from one end opening to the other end opening of the syringe with a rubber tubing. When piston 2 is moved towards piston 1 abruptly, the piston 1 does not even move because the trapped air inside the two syringes A and B just pass easily through the 4 canals in piston 1. So, no power or less power is created on the flat surface of piston 1.

In figure 3 two syringes are also connected with a rubber tubing. Piston 1 in figure 3 has no canals in its piston. When piston 2 is moved abruptly towards piston 1 you can feel the power and elasticity of the air trapped inside the two syringes. We can say that the air trapped inside the two syringes A and B is perfectly concentrated. So, this example is better than piston 1 with 4 canals in figure 2 with regards to air concentration or fluid concentration.

In figure 4 the two syringes are half-filled with water and connected with a rubber tubing. When piston 2 is moved towards the piston 1, if plungers 1 and 2 of the syringe A and B are held with the thumbs pushing against each other you can feel the concentrated power of the trapped water inside the two syringes. This is the principle used by the TZUY TURBINE, the hydraulic machine principle which is very powerful and has a perfect fluid concentration. This is applied by the TZUY TURBINE to spin the electric generator or any load that require a powerful rotary motion. The example presented in figure 3 has similar principle of the hydraulic machine whether using steam, air or gas power.

We understand now through simple experiment that the hydraulic machine principle has a perfect fluid concentrating power than the existing turbines used in electric power plants that has large space between the blades.

It was claimed by the experts that no more than 45 percent of the heat produced in fossil-fueled electric power plants is turned into electrical energy. We can say that the hindrance to produce more extra power is in the "natural defects" in the design of the existing turbines. The TZUY TURBINE having the principle of the hydraulic machine can definitely amplify the electric power output of the existing electric power plants due to its perfect working fluid concentration.